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(54) PHOTOELECTRIC TRANSDUCER AND PHOTOELECTRIC CELL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a photoelectric transducer and a photoelectric cell using the same, which has excellent energy conversion efficiency and is especially excellent in durability and energy conversion efficiency.

SOLUTION: The photoelectric transducer includes a conductive support, a semiconductor fine particle layer sensitized with a pigment placed on the conductive support, and a charge transfer layer. An additional semiconductor layer is disposed between the semiconductor fine particle layer and the conductive support. Also, a molten salt electrolyte or an inorganic hole transfer material is used in the charge transfer layer.

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